

PAGE: 1

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/189,144DATE: 11/18/1998
TIME: 17:09:37

Input Set: I189144.RAW

This Raw Listing contains the General Information Section and up to first 5 pages.

See P5
new format

ENTERED

1 <110> APPLICANT: Steven M. Ruben, et al.
 2 <120> TITLE OF INVENTION: 32 Human Secreted Proteins
 3 <130> FILE REFERENCE: PZ006P1
 4 <140> CURRENT APPLICATION NUMBER: US/09/189,144
 5 <141> CURRENT FILING DATE: 1998-11-10
 6 <150> EARLIER APPLICATION NUMBER: PCT/US98/10868
 7 <151> EARLIER FILING DATE: May 28, 1998
 8 <150> EARLIER APPLICATION NUMBER: 60/044,039
 9 <151> EARLIER FILING DATE: May 30, 1997
 10 <150> EARLIER APPLICATION NUMBER: 60/048,093
 11 <151> EARLIER FILING DATE: May 30, 1997
 12 <150> EARLIER APPLICATION NUMBER: 60/048,190
 13 <151> EARLIER FILING DATE: May 30, 1997
 14 <150> EARLIER APPLICATION NUMBER: 60/050,935
 15 <151> EARLIER FILING DATE: May 30, 1997
 16 <150> EARLIER APPLICATION NUMBER: 60/048,101
 17 <151> EARLIER FILING DATE: May 30, 1997
 18 <150> EARLIER APPLICATION NUMBER: 60/048,356
 19 <151> EARLIER FILING DATE: May 30, 1997
 20 <150> EARLIER APPLICATION NUMBER: 60/056,250
 21 <151> EARLIER FILING DATE: August 29, 1997
 22 <150> EARLIER APPLICATION NUMBER: 60/056,296
 23 <151> EARLIER FILING DATE: August 29, 1997
 24 <150> EARLIER APPLICATION NUMBER: 60/056,293
 25 <151> EARLIER FILING DATE: August 29, 1997
 26 <160> NUMBER OF SEQ ID NOS: 229
 27 <170> SOFTWARE: PatentIn Ver. 2.0
 28 <210> SEQ ID NO 1
 29 <211> LENGTH: 733
 30 <212> TYPE: DNA
 31 <213> ORGANISM: Homo sapiens
 32 <400> SEQUENCE: 1
 33 gggatccgga gcccaaatct tctgacaaaaa ctcacacatg cccaccgtgc ccagcacctg 60
 34 aattcgaggg tgcaccgtca gtcttccctt tccccccaaa acccaaggac accctcatga 120
 35 tctcccgac tcctgaggtc acatgcgtgg tggtgacgt aagccacgaa gaccctgagg 180
 36 tcaagttcaa ctggtagctg gacggcgtgg aggtgcataa tgccaaagaca aagccgcggg 240
 37 aggagcagta caacagcacg taccgtgtgg tcagcgtcct caccgtcctg caccaggact 300
 38 ggctaatgg caaggagttac aagtgcagg tctccaacaa agccctccca acccccattcg 360
 39 agaaaaccat ctccaaagcc aaaggccagc cccgagaacc acaggtgtac accctgccc 420
 40 catcccgaaa tgagctgacc aagaaccagg tcagcctgac ctgcctggc aaaggcttct 480
 41 atccaagcga catgcggcgtg gagtggaga gcaatggca gccggagaac aactacaaga 540
 42 ccacgcctcc cgtgctggac tccgacggct ccttcttcct ctacagcaag ctcaccgtgg 600
 43 acaagagcag gtggcagcag gggAACGTCT tctcatgctc cgtgatgcat gaggctctgc 660
 44 acaaccacta cacgcagaag agcctctccc tgtctccggg taaatgagtg cgacggccgc 720

PAGE: 2

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/189,144DATE: 11/18/1998
TIME: 17:09:37

Input Set: I189144.RAW

45 gactctagag gat 733
 46 <210> SEQ ID NO 2
 47 <211> LENGTH: 5
 48 <212> TYPE: PRT
 49 <213> ORGANISM: Homo sapiens
 50 <220> FEATURE:
 51 <221> NAME/KEY: Site
 52 <222> LOCATION: (3)
 53 <223> OTHER INFORMATION: Xaa equals any of the twenty naturally occurring L-amino ac
 54 <400> SEQUENCE: 2
 55 Trp Ser Xaa Trp Ser
 56 1 5
 57 <210> SEQ ID NO 3
 58 <211> LENGTH: 86
 59 <212> TYPE: DNA
 60 <213> ORGANISM: Homo sapiens
 61 <400> SEQUENCE: 3
 62 gcgcctcgag atttccccga aatctagatt tcccccgaat gatttcccg aatgattc 60
 63 cccgaaatat ctgccatctc aattag 86
 64 <210> SEQ ID NO 4
 65 <211> LENGTH: 27
 66 <212> TYPE: DNA
 67 <213> ORGANISM: Homo sapiens
 68 <400> SEQUENCE: 4
 69 gcggcaagct ttttgcaaag cctaggc 27
 70 <210> SEQ ID NO 5
 71 <211> LENGTH: 271
 72 <212> TYPE: DNA
 73 <213> ORGANISM: Homo sapiens
 74 <400> SEQUENCE: 5
 75 ctcgagattt ccccgaaatc tagatttccc cgaaatgatt tcccccgaat gatttcccg 60
 76 aaatatctgc catctcaatt agtcagcaac catagtcccg cccctaactc cgcccatccc 120
 77 gcccctaact cccggccagtt ccggccattc tccggcccat ggctgactaa ttttttttat 180
 78 ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
 79 ttttggaggc cttaggctttt gcaaaaaagct t 271
 80 <210> SEQ ID NO 6
 81 <211> LENGTH: 32
 82 <212> TYPE: DNA
 83 <213> ORGANISM: Homo sapiens
 84 <400> SEQUENCE: 6
 85 gcgctcgagg gatgacagcg atagaacccc gg 32
 86 <210> SEQ ID NO 7
 87 <211> LENGTH: 31
 88 <212> TYPE: DNA
 89 <213> ORGANISM: Homo sapiens
 90 <400> SEQUENCE: 7
 91 gcgaagcttc gcgactcccc ggatccgcct c 31
 92 <210> SEQ ID NO 8
 93 <211> LENGTH: 12
 94 <212> TYPE: DNA

PAGE: 3

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/189,144DATE: 11/18/1998
TIME: 17:09:37

Input Set: I189144.RAW

```

95  <213> ORGANISM: Homo sapiens
96  <400> SEQUENCE: 8
97      ggggacttcc
98  <210> SEQ ID NO 9
99  <211> LENGTH: 73
100 <212> TYPE: DNA
101 <213> ORGANISM: Homo sapiens
102 <400> SEQUENCE: 9
103      gcggcctcga ggggacttcc cgggggactt tccggggact ttccgggact ttccatcctg  60
104      ccatctcaat tag
105 <210> SEQ ID NO 10
106 <211> LENGTH: 256
107 <212> TYPE: DNA
108 <213> ORGANISM: Homo sapiens
109 <400> SEQUENCE: 10
110      ctcgagggga ctttccccggg gactttccgg ggactttccca tctgccatct  60
111      caattagtca gcaaccatag tcccggccct aactccgccc atccggcccc taactccgccc 120
112      cagttccgccc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
113      ggccgcctcg gcctctgagc tattccagaa gtagttaggaa ggctttttt gaggcctagg 240
114      ctttgcaaa aagctt
115 <210> SEQ ID NO 11
116 <211> LENGTH: 1169
117 <212> TYPE: DNA
118 <213> ORGANISM: Homo sapiens
119 <220> FEATURE:
120 <221> NAME/KEY: SITE
121 <222> LOCATION: (1151)
122 <223> OTHER INFORMATION: n equals a,t,g, or c
123 <220> FEATURE:
124 <221> NAME/KEY: SITE
125 <222> LOCATION: (1160)
126 <223> OTHER INFORMATION: n equals a,t,g, or c
127 <220> FEATURE:
128 <221> NAME/KEY: SITE
129 <222> LOCATION: (1168)
130 <223> OTHER INFORMATION: n equals a,t,g, or c
131 <400> SEQUENCE: 11
132      gggcgcaaa tagggtcagt gggccgcttg gcgktgttcg ttgcgttacc aggtccgcgt  60
133      gaggggttcg ggggttctgg gcaggcacaa tggcgtctcg agcaggcccg cgagcggccg 120
134      rcaccgcacgc agcgagctt cagcaccggg agcgcgtcgc catgcactac cagatgagtg 180
135      tgaccctcaa gtatgaaatc aagaagctga tctacgtaca tctggtcata tggctgctgc 240
136      tggttgtcaa gatgagcgtg ggacacctga ggctttgtc acatgatcag gtggccatgc 300
137      cctatcgtg ggaatacccg tatttgcgtga gcattttgcc ctctcttgc ggccttctct 360
138      cctttccccg caacaacatt agctacctgg tgctctccat gatcagcatg ggactcttt 420
139      ccatcgctcc actcatttt ggcagcatgg agatgttccc tgctgcacag cttctaccg 480
140      ccatggcaag gcctaccgtt tcctcttgg ttttctgccc gttccatca tgtacctgg 540
141      gttgggttg gcaagtgcgtt gcatgcctg gcagttgtac tacagcaaga agctcctaga 600
142      ctcttgggtt accagcacac aggagaagaa gcataaatgaa agcctcttg gggtaagcc 660
143      tggacatccc atcgaatgaa aggacactag tacagcggtt ccaaataatccc ttctgggtat 720
144      tttagcagct gtgatgttgg tacctggc agaccaggc caaagttctg gaaagctcct 780

```

PAGE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/189,144DATE: 11/18/1998
TIME: 17:09:37

Input Set: I189144.RAW

145 tttgccatct gctgagggtgg caaaaactata atttattcct gggtggctag aactgggtga 840
 146 ccaacagcta tgaaaacaaat ttcagctgtt tgaagttgaa ctttgggtt tttctttaag 900
 147 aatgagcttc gtccttgccct ctactcggtc attctcccca tttccatcca ttacccctta 960
 148 gccattgaga ctaaaaggaaa tagggataaa atcaaattac ttcatctcta ggtcacgggt 1020
 149 caggaaacat ttgggcagct gtccttgg cagctgtggt ctcccttgca aagcattttta 1080
 150 attaaaaacc tcaataaaaga tgccctgccc aaaaaaaaaa aaaaaaaaaa aattcggggg 1140
 151 ggggccccggg naaccaatn gccccctana 1169

w-->OK

152 <210> SEQ ID NO 12
 153 <211> LENGTH: 1310
 154 <212> TYPE: DNA
 155 <213> ORGANISM: Homo sapiens
 156 <400> SEQUENCE: 12
 157 aattcggcac gaggcagcgt cgccgcggccc agttcccttt tccggcggc gtggcttgc 60
 158 gagtggagtg tccgctgtgc ccgggcctgc accatgagcg tccggcctt catgcacatc 120
 159 agtgaagaag atcaggctgc tgagcttcgt gcttatctga aatctaaagg agctgagatt 180
 160 tcagaagaga actcggaaagg tggacttcat gttgatttag ctcaaattat tgaagcctgt 240
 161 gatgtgtgtc tgaaggagga tgataaaagat gttgaaagtg tgatgaacag tggatgtatcc 300
 162 ctactcttga tccttggaaacc agacaagcaa gaagctttga ttgaaagcct atgtgaaaag 360
 163 ctggtcaaattt tcgcgaaagg tgaacgcccgt tctctgagac tgcagttgtt aagcaacctt 420
 164 ttccacggga tggataagaa tactcctgtt agatacacag tggatgtcag ctttatttttt 480
 165 gtggcagcat ctttggggc catccagtac atcccaactg agctggatca agttggaaaa 540
 166 tggatttctg actggaatct caccactgaa aaaaagcaca cccttttaag actactttat 600
 167 gaggcacttg tggattgtaa gaagagtat gctgcttcaa aagtcatggt ggaattgctc 660
 168 ggaagttaca cagaggacaa tgcttcccg gctcgagttt atgcccacag gtgtattgtt 720
 169 cgagcattga aagatccaaa tgcatttctt tttgaccacc ttcttacttt aaaaccagtc 780
 170 aagttttgg aaggcgagct tattcatgat ctttttacca tttttgtgag tgctaaatttg 840
 171 gcatcatatg tcaagttta tcagaataat aaagacttca ttgatttact tggcctgtt 900
 172 catgaacaga atatggccaa aatgagacta cttacttttta tggaaatggc agtagaaaaat 960
 173 aaggaaattt ctttgacac aatgcagcaa gaacttcaga ttggagctga tgatgttggaa 1020
 174 gcattttgttta ttgacgcccgt aagaactaaa atggtctact gcaaaatttga tcagaccac 1080
 175 agaaaaatggtag ttgtcagtca tagcacacat cggacatttgg gaaaacagca gtggcaacaa 1140
 176 ctgtatgaca cacttaatgc ctggaaacaa aatctgaaca aagtggaaaaa cagccttttg 1200
 177 agtctttctg atacctgagt ttttatgctt ataatttttg ttctttggaaa aaaaagccct 1260
 178 aaatcatatg aaaacattat aaactaaaaa aaaaaaaaaa aaaaaaaaaa 1310

179 <210> SEQ ID NO 13
 180 <211> LENGTH: 1139
 181 <212> TYPE: DNA
 182 <213> ORGANISM: Homo sapiens
 183 <220> FEATURE:
 184 <221> NAME/KEY: SITE
 185 <222> LOCATION: (7)
 186 <223> OTHER INFORMATION: n equals a,t,g, or c
 187 <220> FEATURE:
 188 <221> NAME/KEY: SITE
 189 <222> LOCATION: (133)
 190 <223> OTHER INFORMATION: n equals a,t,g, or c
 191 <220> FEATURE:
 192 <221> NAME/KEY: SITE
 193 <222> LOCATION: (968)
 194 <223> OTHER INFORMATION: n equals a,t,g, or c

PAGE: 5

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/189,144DATE: 11/18/1998
TIME: 17:09:37

Input Set: I189144.RAW

195 <220> FEATURE:
 196 <221> NAME/KEY: SITE
 197 <222> LOCATION: (1139)
 198 <223> OTHER INFORMATION: n equals a,t,g, or c
 199 <400> SEQUENCE: 13

W--> 200 aggcánact tacagagata tcatatgaga tcacccctcg cattcgtgtc tggcgccaga 60
 201 ccctcgagcg gtgcggagc gcascaggt gtgcgtgtc ctggccagc tggagaggtc 120
 W--> 202 cattgcctgg gangaagtct gtcaacaaag tgacatgtct agtctgcgg aagggtgaca 180
 203 atgatgagtt tcttctgtt tgcgtatgggt gtraccgtgg ctgcccacatt tactgcccac 240
 204 gtcccaagat ggaggctgtc ccagaaggag attgggtctg tactgtctgt ttggctcagc 300
 205 aggtggaggg agaattcaact cagaaggctg gtttcccaaa gcgtggccag aagcggaaaa 360
 206 gtggttattc gctgaacttc tcagagggtg atggccgccc acgcccggta ctgttgaggg 420
 207 gcccggaaaag cccagcagca gggcctcggt actcggaaaga agggctctcc ccctccaagc 480
 208 ggccggcact ctctatgcgg aaccaccaca gtgatctcac attttgcgag attatccgt 540
 209 tggagatgga gtcccatgtat gcagcctggc ctttcctaga gcctgtgaac ccacgtttgg 600
 210 tgagtgggtt cccgcgcatac atcaaaaatc ctatggatt ttccaccatg cgggagcggc 660
 211 tgctcaggggg aggttacacc agtcagagg agtttgcggc tgatgcctc ctggattttg 720
 212 acaactgcca gactttcaac gaggatgact ctgaagttagg caaggctggg cacatcatgc 780
 213 gcccgttctt cgagagccgc tggggaggat tttatcaggaaa aacaggcc aatctgtgag 840
 214 gcaaggggagg tggggagtc ctttgcggca tctcccccac ctttccaaac aaaaacctgc 900
 215 catttcaacc tgctgtatgtt gcccgggtc cagactcaag tcagatacaa ccctgatttt 960
 W--> 216 tgaccttnc cttggcagtgc cccacatcc tcttattcct acatccctt ctcccttccc 1020
 217 tcctcttgct cctcaagtaa gaggtgcaga gatgagggtcc ttctggacta aaagccaaaa 1080
 W--> 218 aaagaaaagaa aaaaawaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaan 1139
 219 <210> SEQ ID NO 14
 220 <211> LENGTH: 2271
 221 <212> TYPE: DNA
 222 <213> ORGANISM: Homo sapiens
 223 <400> SEQUENCE: 14
 224 gttccggggg atgccagctc acttctcgga cagcgccag actgaggcct gctaccacat 60
 225 gctgagccgg ccccgccgc caccggaccc cctcctgctc cagcgtctgc cacggccag 120
 226 ctccctgtca gacaagaccc agctccacag caggtggctg gactcgtcgc ggtgtctcat 180
 227 gcagcagggc atcaaggccg gggacgcact ctggctgcgc ttcaagtact acagttctt 240
 228 cgatttggat cccaaagacag accccgtgcg gctgacacag ctgtatgagc aggcccggtg 300
 229 ggacctgtg ctggaggaga ttgactgcac cgaggaggag atgatgggtt ttggccct 360
 230 gcagttaccac atcaacaacgc tgcgttccagag cggggagggtg ggggagccgg ctggcacaga 420
 231 cccagggtcg gacgacctgg atgtggccct gaccaacctg gaggtgaagc tggaggggtc 480
 232 ggcccccaca gatgtgctgg acagcctcac caccatccca gagctcaagg accatctccg 540
 233 aatcttcgg ccccgaaagc tgaccctgaa gggctaccgc caacactggg tgggtttcaa 600
 234 ggagaccaca ctgtcctact acaagagcca ggacgaggcc cctggggacc ccattcagca 660
 235 gctcaacctc aagggtgtg aggtggttcc cgatgttaac gtctccggcc agaagttctg 720
 236 cattaaactc ctatgtccct cccctgaggcatgatgttgc ggtgccagga 780
 237 tgagcagcag tatgtccctg ggtggctgg ctggccctg gcctccaaag gcccgcaccat 840
 238 gggccacagc agtacacacca ggcggatgtca ggcacccctgc gccttcctca gcctgcagcg 900
 239 cacggcagtg gggggcccg gcaaccaccc ccacggccct gatgcctctg ccgaggccct 960
 240 caacccctac ggctcggtt ccccccgttt ccagcgaaag ttcaaggcca agcagctcac 1020
 241 cccacggatc ctggaaagccc accagaatgt gggccagttt tcgcgtggcag aggcccagct 1080
 242 ggcgttcatc caggcctggc agtccctgcc cgacttcggc atctctatg tcatggtcag 1140
 243 gttcaagggc agcaggaaag acgagatctt gggcatgc aacaaccgac tgatccgcatt 1200
 244 cgacttggcc gtggcgacg tggtaagac ctggcgttt agcaacatgc gcccgtggaa 1260

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

E

Input Set: I189144.RAW

Line ? Error/Warning

Original Text

55 W "N" or "Xaa" used: Feature required
 151 W "N" or "Xaa" used: Feature required
 200 W "N" or "Xaa" used: Feature required
 202 W "N" or "Xaa" used: Feature required
 216 W "N" or "Xaa" used: Feature required
 218 W "N" or "Xaa" used: Feature required
 275 W "N" or "Xaa" used: Feature required
 284 W "N" or "Xaa" used: Feature required
 364 W "N" or "Xaa" used: Feature required
 365 W "N" or "Xaa" used: Feature required
 397 W "N" or "Xaa" used: Feature required
 398 W "N" or "Xaa" used: Feature required
 409 W "N" or "Xaa" used: Feature required
 419 W "N" or "Xaa" used: Feature required
 472 W "N" or "Xaa" used: Feature required
 534 W "N" or "Xaa" used: Feature required
 599 W "N" or "Xaa" used: Feature required
 651 W "N" or "Xaa" used: Feature required
 652 W "N" or "Xaa" used: Feature required
 661 W "N" or "Xaa" used: Feature required
 698 W "N" or "Xaa" used: Feature required
 705 W "N" or "Xaa" used: Feature required
 739 W "N" or "Xaa" used: Feature required
 775 W "N" or "Xaa" used: Feature required
 833 W "N" or "Xaa" used: Feature required
 871 W "N" or "Xaa" used: Feature required
 911 W "N" or "Xaa" used: Feature required
 912 W "N" or "Xaa" used: Feature required
 954 W "N" or "Xaa" used: Feature required
 980 W "N" or "Xaa" used: Feature required
 996 W "N" or "Xaa" used: Feature required
 1029 W "N" or "Xaa" used: Feature required
 1038 W "N" or "Xaa" used: Feature required
 1061 W "N" or "Xaa" used: Feature required
 1104 W "N" or "Xaa" used: Feature required
 1115 W "N" or "Xaa" used: Feature required
 1193 W "N" or "Xaa" used: Feature required
 1195 W "N" or "Xaa" used: Feature required
 1318 W "N" or "Xaa" used: Feature required
 1367 W "N" or "Xaa" used: Feature required
 1466 W "N" or "Xaa" used: Feature required
 1482 W "N" or "Xaa" used: Feature required
 1511 W "N" or "Xaa" used: Feature required
 1546 W "N" or "Xaa" used: Feature required
 1548 W "N" or "Xaa" used: Feature required
 1556 W "N" or "Xaa" used: Feature required
 1558 W "N" or "Xaa" used: Feature required
 1568 W "N" or "Xaa" used: Feature required
 1609 W "N" or "Xaa" used: Feature required
 1617 W "N" or "Xaa" used: Feature required

Trp Ser Xaa Trp Ser
 gggggccggg naaccaattn gccctana
 agggcanact tacagagata tcatcatgaga tcaccct
 cattgcctgg gangaagtct gtcaacaaag tgacatgt
 tgaccttncc cttggcagtg ccccacatcc tcttattc
 aaagaaaagaa aaaaawaaaa aaaaaaaaaa aaaaaaaaa
 acaacaaaca tcgaaaatcg antatgtgcc ccgaaaag
 cttgttttc ctcttcctcc tcctcctctt ctccctcc
 tgccctgcaa agggcagtna accacaaaaa aaaaaaaaa
 ccgttaacca ttttggctn atagggggggn gggtttta
 gaagaacaca cattactatg acaagcgctg gtcctgtg
 tcagcacctc cgtgatcctc atgcagcacc tgctgcnt
 aaaaagtccct attttatac tcccaanmaa aaaaaaaaa
 ctgtgttgg gcctgagccn cctcaacaac tcctacaa
 aaagtantca agaaaaatgg gtttatccca gagccatc
 ctgcccctggg cccctggcga cantgggagc agggcagt
 aatgaaactt ggatattgtt atggtgctt tnataata
 tgagctgcat cttgggctt gtcgtgcccc tggcctat
 ggtggcgctg gggcctgcca ntgcctgcag ggccccca
 gcccctgcgc tckcgctkns ttcgctcccc gcccctgc
 ctgcctntct tctttttcc cttcctgtac ctttact
 caataaatat tcaaaatgca tccctaawwa aaaaaaaaa
 gagttcccn a cgcggcggc nccgttttag aaattagt
 ggccttgagc cgggtcccc tncgcaagcg cccaccga
 gngtttttc cagccaggaa gtgaccgnta ctgcagca
 accctgtctc tactaaaaatc acagaaatta gctggng
 aagaaaaatt aagangtga aataatggct aaaagaca
 gggcttatg ggaccntaaa gttattatag cttggaaag
 agggaaataa attaaagttt tcacactgna aaaaaaaaa
 gtataattat aaatttgntc gttcnaccg gtcctgtg
 tatgtgcatt tgctgtcaca ataaaagtata ttttgct
 ccactatngg caattggtac cggccccccc tcgaggaa
 caccacgtgg gtctcctgtc agcctcgaag tgcctgc
 atacctggc tatttatac ctttgggg gaatngct
 ttacatttga aatataaacc aatgaaata ttttactg
 ggcagagctt aggagaacag ctcccttgg atccctnt
 ccagtggat gtcaactggg acatccggca ngtggcca
 cattttcctg tcgacgcggg agngggcccg tggggagg
 Ser Xaa
 Leu Leu Ser Leu Ser Asp Thr Xaa
 Trp Ser Xaa
 Gly Trp Gly Gln Ala Leu Met Ala Gly Leu P
 Leu Xaa Ile Phe Pro Pro Leu Arg Cys Ser A
 Met Thr Ser Ala Gly Pro Val Xaa Leu Phe L
 Thr Ser Val Ile Leu Met Gln His Leu Leu X
 Ala Val Gly Xaa Xaa Xaa Val Ala Ile Pro S
 Arg Phe Xaa Phe Phe Ser Lys Pro Leu A
 Arg Phe Ser Xaa
 Gln Val Ala Val Pro Phe Gln Trp Gln Trp L
 Leu Ser Lys Val Asn Lys Thr Ala Ser Gly A

Input Set: I189144.RAW

Line	?	Error/Warning	Original Text
1632	W	"N" or "Xaa" used: Feature required	Val Xaa
1644	W	"N" or "Xaa" used: Feature required	Arg Lys Leu Gln Thr Cys Leu Xaa
1659	W	"N" or "Xaa" used: Feature required	Gly Ile Trp Cys Leu Leu Leu Pro Glu Gln G
1684	W	"N" or "Xaa" used: Feature required	Pro Xaa
1700	W	"N" or "Xaa" used: Feature required	Asn Ser Pro Leu Pro Phe Val His Leu Xaa V
1721	W	"N" or "Xaa" used: Feature required	Ala Tyr Xaa Ser Ser Leu Thr Trp Cys Trp T
1723	W	"N" or "Xaa" used: Feature required	Xaa Pro Ala Gly Pro Pro Arg Cys Thr Pro G
1729	W	"N" or "Xaa" used: Feature required	Xaa
1776	W	"N" or "Xaa" used: Feature required	Leu Xaa
1789	W	"N" or "Xaa" used: Feature required	Ser Thr Asp Thr Gly Ser Ser Ala Pro Gly P
1832	W	"N" or "Xaa" used: Feature required	Pro Gly Pro Xaa
1893	W	"N" or "Xaa" used: Feature required	Ser Leu Phe Ser Ala Ala Arg Phe Leu Phe X
1914	W	"N" or "Xaa" used: Feature required	Leu Pro Ser Cys Glu Cys Cys Cys Arg Ala A
1916	W	"N" or "Xaa" used: Feature required	Xaa Ser Pro Pro Trp Arg Pro Trp Pro Glu G
1953	W	"N" or "Xaa" used: Feature required	Thr Lys Val Arg Lys Lys Asn Xaa
2014	W	"N" or "Xaa" used: Feature required	Arg Asp Arg Asp Glu Leu Xaa
2040	W	"N" or "Xaa" used: Feature required	Val Xaa
2056	W	"N" or "Xaa" used: Feature required	Val Pro Pro Leu Ala Ala Xaa Pro Leu Cys S
2085	W	"N" or "Xaa" used: Feature required	Xaa Leu Cys Val Val Gly Gly Pro Trp Xaa
2117	W	"N" or "Xaa" used: Feature required	Xaa
2131	W	"N" or "Xaa" used: Feature required	Met Leu Asn Pro Phe Xaa Gln Leu Leu Leu V
2133	W	"N" or "Xaa" used: Feature required	Trp Pro Thr Pro Leu His Xaa
2158	W	"N" or "Xaa" used: Feature required	Ser Xaa Thr Leu Xaa Glu Glu Asp Ile Thr G
2164	W	"N" or "Xaa" used: Feature required	Phe Thr Phe Met Arg Glu Asp Arg Cys Ile G
2168	W	"N" or "Xaa" used: Feature required	His Ser His Pro His Xaa Pro Pro Pro Pro T
2213	W	"N" or "Xaa" used: Feature required	Asp Ile Arg Xaa Val Ala Ile Glu Phe Asp G
2217	W	"N" or "Xaa" used: Feature required	Gly Tyr Ile Phe Leu Ser Thr Arg Glu Xaa A
2219	W	"N" or "Xaa" used: Feature required	Asp Glu Asp Leu Phe Leu Gln Leu Thr Gly G
2248	W	"N" or "Xaa" used: Feature required	Arg Arg Ala Ala Gln Glu Val Ser Leu Gln L
2250	W	"N" or "Xaa" used: Feature required	Cys Arg Gln Xaa Thr Ser Arg Ala Phe Ser L
2256	W	"N" or "Xaa" used: Feature required	Leu Xaa
2269	W	"N" or "Xaa" used: Feature required	Ala Cys Ile Cys Phe Cys Xaa
2286	W	"N" or "Xaa" used: Feature required	Pro Ser Pro Trp Xaa Arg Arg Ile Ser Gln G
2632	W	"N" or "Xaa" used: Feature required	Asn Xaa Xaa Leu Arg Lys Thr Ser Leu Phe A
2636	W	"N" or "Xaa" used: Feature required	Leu Thr Leu Arg Glu Thr Trp Lys Gln His X
2646	W	"N" or "Xaa" used: Feature required	Cys Xaa Thr Leu Pro Ala Gly Val His Gln H
2690	W	"N" or "Xaa" used: Feature required	Leu Asn Xaa Xaa Leu Arg Lys Thr Ser Leu P
2703	W	"N" or "Xaa" used: Feature required	Asp Tyr Leu Leu Thr Leu Arg Glu Thr Trp L
2727	W	"N" or "Xaa" used: Feature required	Tyr Asp Lys Arg Trp Ser Cys Xaa Thr Leu P
2747	W	"N" or "Xaa" used: Feature required	Leu Val Leu Gly Leu Ser Xaa Leu Asn Asn S
2895	W	"N" or "Xaa" used: Feature required	Ser Pro Phe Ile Cys Tyr Tyr Xaa Asp Lys T
2897	W	"N" or "Xaa" used: Feature required	Glu Lys Arg Leu Lys Gln Ile Lys Val X
3129	W	"N" or "Xaa" used: Feature required	Val Ala Leu Pro Ala Leu Gly Pro Trp Arg X
3176	W	"N" or "Xaa" used: Feature required	Xaa Phe Ser Phe Pro Phe Leu Tyr Leu
3195	W	"N" or "Xaa" used: Feature required	His Leu Cys Pro Gly His Xaa Ser Leu Ser G
3214	W	"N" or "Xaa" used: Feature required	Leu Ser Val Ser Gln Arg Tyr Arg Lys Gly L
3226	W	"N" or "Xaa" used: Feature required	Gly Lys Xaa Val Leu Gly Arg Gly Ser L
3241	W	"N" or "Xaa" used: Feature required	Ala Leu Val Lys Gly Thr Gly Arg Glu Lys A
3253	W	"N" or "Xaa" used: Feature required	Xaa Val Ser Trp Ala Glu Val Ala Ala Lys P
3302	W	"N" or "Xaa" used: Feature required	Pro Leu Leu Gly Val His His Thr Ser Arg G

Input Set: I189144.RAW

Line	?	Error/Warning	Original Text
3434	W	"N" or "Xaa" used: Feature required	Thr Gly Phe His Leu Ile Thr Xaa Ile Trp L
3460	W	"N" or "Xaa" used: Feature required	Gly Phe His Leu Ile Thr Xaa Ile Trp Lys H
3584	W	"N" or "Xaa" used: Feature required	Pro Arg His Thr Cys Ser Gly Gln Gly Leu H
3623	W	"N" or "Xaa" used: Feature required	Asn Ala Ser Trp Glu Ile His Met Thr Gln A
3625	W	"N" or "Xaa" used: Feature required	Leu Ala Arg Ala Ser Met Xaa Val Xaa Xaa X
3715	W	"N" or "Xaa" used: Feature required	Ser Xaa Pro Leu Arg Leu Ala Asp Pro Ser T
3807	W	"N" or "Xaa" used: Feature required	Gly Ala Gln Arg Xaa Cys Gly Gln Gly Arg H
3809	W	"N" or "Xaa" used: Feature required	Xaa Gly Ala Gln Asp Thr Ser Arg Leu Thr G
3815	W	"N" or "Xaa" used: Feature required	Val Trp Pro Glu Ser Arg Lys Arg Ala Gln I
3878	W	"N" or "Xaa" used: Feature required	Ile Ala Gln Val Leu Lys Ala Glu Met Cys L
3880	W	"N" or "Xaa" used: Feature required	Pro Xaa Leu Leu Asp Ser His Arg Gly Trp A
3882	W	"N" or "Xaa" used: Feature required	Gly Gln Gly Arg Gln Glu Xaa Glu Ser Asp T
3897	W	"N" or "Xaa" used: Feature required	Arg Gly Trp Ala Gly Glu Thr Leu Arg Gly G
4131	W	"N" or "Xaa" used: Feature required	Gln Arg Pro Ala Pro Trp Gly Xaa Ala Pro H
4146	W	"N" or "Xaa" used: Feature required	Asp Gln His His Gly Gly Xaa Leu His Met G
4181	W	"N" or "Xaa" used: Feature required	Thr Cys Gly Gly Trp Cys Thr Gly Val Gly G
4185	W	"N" or "Xaa" used: Feature required	Val Phe Arg Xaa Arg Ile Phe Phe Trp Met H
4191	W	"N" or "Xaa" used: Feature required	Thr Met Ala Phe Thr Tyr Gln Val Pro Val I
4193	W	"N" or "Xaa" used: Feature required	Val Lys Asp Arg Ala Ala Ala Xaa Pro Ser V
4218	W	"N" or "Xaa" used: Feature required	Leu Ala Val Gly Glu Gly Gly Gly Xaa G
4220	W	"N" or "Xaa" used: Feature required	Arg Cys Ile Cys Gln Ala Pro Pro Ser Ser A